Appl. No. 10/537,897

Atty. Ref.: 4982-5

Amendment After Final Rejection

May 22, 2009

REMARKS

Reconsideration is requested.

The claims have been amended, without prejudice.

Independent claims 1-3 and 29 have been revised to define the motifs by the noted sequence identifiers. The disclosed variability of the sequences is described in the Sequence Listing. No new matter has been added.

Claims 53-55 have been rewritten as dependent claims. The Examiner is urged to appreciate from the following sequence alignment that SEQ ID NOs: 2, 13, 15, 17, 21, 25, 27, 29 and 33 of the revised claims include the motifs of the independent claims (i.e., SEQ ID NOs: 5, 7, 8 and 9) which the Examiner has confirmed to have been examined. See page 3 of the Office Action dated February 25, 2009. The Examiner is requested to appreciate that SEQ ID NO:51 is a disclosed and previously claimed alternative of SEQ ID NO:5 wherein Leu at position 3 may be any hydrophobic amino acid. Rejoinder and examination therefore of the withdrawn claims are requested.

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			•
			1 50
	SEQIDNO 13	131	MALEALNSPTTTAPSFPFDDPTI-PWAKPERSERSR
			5 H
	SEQIENC_15	(2)	MAMEALNSFTTATPFTPFEEPN-LSYLETPWTKCRRSKRSRD
	SEQIDNO_21	(1)	MALEALNSTT-TTTPPSFQFENNGLKYLESWTKGKRSKRQR8
	SEQIENO_25	(1)	MALEALNSPIGIFIPPPFQFESDGQQLRYIENWRKCKRSKRSRS
	SEQIENO_17	(1)	MTLEALKSPTAATPTLPPRYEDDD-EIHNLDSWAKCKRSKRPR
	SEQIENO 27	(1)	MALEAMNTETSs-ftrietkedlmndavfiepwlkfkrskrorshs
	SEQIDNO 2	(1)	MALEALTSPRLASPIPPLFEDSSVFHGVEHWTKCKRSKRSR#DF
	SEQIDNO 29	(1)	MALETLISPRISSPMPTLFQDSALGFHGSKGKRSKRSR EF
	SEQIDNO 33	(1)	MALEALNSPRLVEDPLRFNGVECWTKCPKRSKRSRSDL
		ι — ,	
			SEQID NO:8
			500
			51 100
	SEQIDNO_13	(3€)	
	SEQIDNO_15	(42)	-DOSSCTEEEYLALOLIMIARSGNNNDKKSDSVATP
	SEQIDNO_21	(42)	-MERQCTEEEYLALCLIMIARSDGSVNNSRSLPPPP
	SEQIDNO 25	(45)	-MERQPTEEEYLALCLIMIARSGGSVNHQRSLFFPA
	SEQIDNO 17	(44)	-DAPPTEEEYLALCLIMIARSGTGTRTGLTDATTS
	SEQIDNO 27	(4€)	PSSSSSSPPRSRFKSONODLTEEEYLALILLMIAKDOPSOTRFHOCSOS-
	SEQIDNO 2	(45)	HHQNLTEEEYLAFCLMLIARDNRQ
	SEQIDNO 29	(42)	DROSLTEDEYIALCLMLHARDGDRNRDLDLPSSSS
	SEQIDNO 33	(39)	HHNHRLTEEEYLAFCLMLHARDSGD
	3EQ15W0_33	(35)	
			SEQID NO:9
			101 150
	SEQIDNO_13	(69)	~
	SEQIDNO_13 SEQIDNO 15	(69) (77)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDRSFFSYCALGGHKASH
•	· · · · · · · · · · · · · · · · · · ·		101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASH
-	SEQIDNO_15	(77)	101 150 LOPOPOPTP-DPSTKLSYKCSVCDRSFFSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH
•	SEQIDNO 15 SEQIDNO 21 SEQIDNO 25	(77) (77) (30)	101 150 LOPOPOPTP-DPSTKLSYKCSVCDRSFFSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH
	SEQIDNO_15 SEQIDNO_21 SEQIDNO_25 SEQIDNO_17	(77) (77) (30) (78)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFPSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASH
	SECIDNO 15 SECIDNO 21 SECIDNO 25 SECIDNO 17 SECIDNO 27	(77) (77) (30) (78) (95)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYZALGGHKASHLTTVKLSHKCSVCNKAFSSYZALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYZALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYZALGGHKASH QQPADKKTAELPFVHKKEVATEQAEQSYKCSVCDKAFSSYZALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYZALGGHKASH
_	SEQIDNO_15 SEQIDNO_21 SEQIDNO_25 SEQIDNO_17 SEQIDNO_27 SEQIDNO_2	(77) (77) (30) (78) (95) (69)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPFVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFFSYQALGGHKASH
	SECIDNO 15 SECIDNO 21 SECIDNO 25 SECIDNO 17 SECIDNO 27 SECIDNO 2 SECIDNO 29	(77) (77) (30) (78) (95) (69) (77)	101 150 LOPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASH
	SEQIDNO_15 SEQIDNO_21 SEQIDNO_25 SEQIDNO_17 SEQIDNO_27 SEQIDNO_2	(77) (77) (30) (78) (95) (69)	101 150 LOPQPQPTP-DPSTKLSYKCSVCDRSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPFVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASH
	SECIDNO 15 SECIDNO 21 SECIDNO 25 SECIDNO 17 SECIDNO 27 SECIDNO 2 SECIDNO 29	(77) (77) (30) (78) (95) (69) (77)	101 150 LOPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASH
	SECIDNO 15 SECIDNO 21 SECIDNO 25 SECIDNO 17 SECIDNO 27 SECIDNO 2 SECIDNO 29	(77) (77) (30) (78) (95) (69) (77)	101 150 LOPQPQPTP-DPSTKLSYKCSVCDRSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPFVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASH
	seqidno_15 seqidno_21 seqidno_25 seqidno_17 seqidno_27 seqidno_2 seqidno_29 seqidno_33	(77) (77) (30) (78) (95) (69) (77) (64)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPFVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASH
	SEQIENO_15 SEQIENO_21 SEQIENO_25 SEQIENO_27 SEQIENO_27 SEQIENO_29 SEQIENO_33 SEQIENO_33	(77) (77) (30) (78) (95) (69) (77) (64)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAFSSSSAAEEKEKMVYKCSVCGKGFGSYQALGGHKASH QQPADXKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASHPPPPPAVEKLSYKCSVCDKTFSSYQALGGHKASHSPPLLPPLPTPIYKCSVCDKAFSSYQALGGHKASHLDSVTVAEKPSYKCGVCYKTFSSYQALGGHKASH
	SEQIDNO_15 SEQIDNO_21 SEQIDNO_17 SEQIDNO_27 SEQIDNO_2 SEQIDNO_29 SEQIDNO_33 SEQIDNO_13 SEQIDNO_13 SEQIDNO_15	(77) (77) (30) (78) (95) (69) (77) (64) (108) (107)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYQALGGHKASH QQPADXKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASHPPPPPAVEKLSYKCSVCDKTFSSYQALGGHKASHSPPLLPPLPTPIYKCSVCDKAFSSYQALGGHKASHLDSVTVAEKPSYKCGVCYKTFSSYQALGGHKASHLDSVTVAEKPSYKCGVCYKTFSSYQALGGHKASH
	SEQIDNO_15 SEQIDNO_21 SEQIDNO_27 SEQIDNO_27 SEQIDNO_29 SEQIDNO_33 SEQIDNO_13 SEQIDNO_15 SEQIDNO_15 SEQIDNO_21	(77) (77) (30) (78) (95) (69) (77) (64) (108) (107) (121)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKERMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASHPPLPPLPTPIYKCSVCDKTFSSYQALGGHKASH
	SECIDNO 15 SECIDNO 21 SECIDNO 27 SECIDNO 27 SECIDNO 29 SECIDNO 33 SECIDNO 13 SECIDNO 15 SECIDNO 21 SECIDNO 25	(77) (77) (30) (78) (95) (69) (77) (64) (108) (107) (121) (125)	101 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKERMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASHPPLPPLPTPIYKCSVCDKTFSSYQALGGHKASH
	SECIDNO_15 SECIDNO_21 SECIDNO_27 SECIDNO_27 SECIDNO_29 SECIDNO_33 SECIDNO_13 SECIDNO_15 SECIDNO_15 SECIDNO_21 SECIDNO_25 SECIDNO_27 SECIDNO_27 SECIDNO_15 SECIDNO_17	(77) (77) (30) (78) (95) (69) (77) (64) (108) (107) (121) (125) (128)	101 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKERMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCERAFFSYQALGGHKASHPPLPPLPTPIYKCSVCDKTFSSYQALGGHKASH
	SECIDNO_15 SECIDNO_21 SECIDNO_27 SECIDNO_27 SECIDNO_29 SECIDNO_33 SECIDNO_13 SECIDNO_15 SECIDNO_15 SECIDNO_21 SECIDNO_27 SECIDNO_27 SECIDNO_27 SECIDNO_27	(77) (77) (30) (78) (95) (69) (77) (64) (108) (107) (121) (125) (128) (129)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKERMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASH
	SECIDNO_15 SECIDNO_21 SECIDNO_27 SECIDNO_27 SECIDNO_29 SECIDNO_33 SECIDNO_13 SECIDNO_15 SECIDNO_15 SECIDNO_15 SECIDNO_21 SECIDNO_27 SECIDNO_27 SECIDNO_27 SECIDNO_27 SECIDNO_2	(77) (77) (30) (78) (95) (69) (77) (64) (108) (107) (121) (125) (128) (103)	101 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKERMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASH
	SECIDNO_15 SECIDNO_21 SECIDNO_27 SECIDNO_27 SECIDNO_29 SECIDNO_33 SECIDNO_15 SECIDNO_15 SECIDNO_15 SECIDNO_21 SECIDNO_27 SECIDNO_27 SECIDNO_27 SECIDNO_27 SECIDNO_29	(77) (77) (30) (78) (95) (69) (77) (64) (108) (107) (121) (125) (128) (103) (103) (112)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFPSYDALGGFKASHLTTVKLSHKCSVCNKAFSSYCALGGFKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYCALGGFKASH PVMKLHAPSSSSAAEEEKERMVYKCSVCGKGFGSYCALGGFKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYCALGGFKASHLTPPPESKNLPYKCNVCEKAFPSYCALGGFKASH
	SECIDNO_15 SECIDNO_21 SECIDNO_27 SECIDNO_27 SECIDNO_29 SECIDNO_33 SECIDNO_13 SECIDNO_15 SECIDNO_15 SECIDNO_15 SECIDNO_21 SECIDNO_27 SECIDNO_27 SECIDNO_27 SECIDNO_27 SECIDNO_2	(77) (77) (30) (78) (95) (69) (77) (64) (108) (107) (121) (125) (128) (103) (103) (112)	101 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYQALGGHKASHLTTVKLSHKCSVCNKAFSSYQALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYQALGGHKASH PVMKLHAPSSSSAAEEEKERMVYKCSVCGKGFGSYQALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYQALGGHKASH

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		201	250
SEQIDNO_13	(145)	KSFPTGDALGGH KRCHYEGNGNGNNNN	SNSVVTVASEGVGSTH
SEQIDNO 15	(147)	KSFPT@DALGGHERCHYEGSVGA	gagagsnavtasegvglsh
SEQIDNO_21	(162)	KOFPT@DALGGHKRCHYDG-GNGNGNG	SVSVGVTSSEGVGSTI
SEQIDNO_25	(168)	KOFPTGDALGGHKRCHYDG-GIGNGNAN	SGVSASVGVTSSEGVGSTV
SEQIDNO_17	(171)	Kafptgdalgghkrrhyegklggnsrdlggg	GGGGHSGSVLTTSDGGAST
SEQIENO_27	(172)	KVFPT@DALGGHKRCHYEGNLGG	GGGGGSKSISHSGSVSSTV
SEQIDNO_2	(143)	KSFPS@QALGGHRRCHYEGNNN	INTSSVSNSEGAGSTS
SECIDNO_29	(155)	KSFATGDALGGE KRCHYEGKNGG	GVSSSVSNSEDVGSTS
SECIDNO_33	(125)	KSFATO DALGGH KRCHYDGGVS	NSEGVGSTS

SEQID NO:5

		251	300
SEQIDNO_13	(188)	TVSHGHHRIFDLNIFAFPDFSTKVGE	DEVESPHPVMKK
SEQIDNO_15	(189)	SHHRIFDLNLFAFPDFSKKFFVDD	EVFSPLPAAKK
SEQIDNO_21	(204)	SHHRIFDLNIFALPEFWFGFGSGE	DEVESPHPAKKS
SEQIDNO_25	(214)	SHROFDLNIFALPEFWLGFGSGE	DEVESPHPAKKS
SECIDNO_17	(221)	HTLRIFDLNMFASPELQLGLSIDCGRK	SQLLPMVQEVESPMPAKKP
SEQIDNO_27	(214)	SEERSHRGFIDLNLFALPELSLHHNF	IVDEBILSPLTGKKP
SEQIDNO_2	(181)	HVSSS-HROFDLNIFPIPEFSMVNG	DDEVMSPMPAKKP
SEQIDNO_29	(194)	HVSSG-HROFDLNIFPIPEFSMVNG	DEEVMSPMPAKKL
SEQIDNO_33	(156)	HVSSSSHRGFDLNIIPVQGFSP	DDEVMSPMATKKP

SEQID NO:7

Figure 1. Multiple amino acid sequence.

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The sequences of the pending claims are believed to have been examined and rejoinder and consideration of same are requested.

Claims 1-4, 10-17, 19-23, 29-34 and 43-56 are pending.

Claims 5-9, 11, 18, 24-28, 30-34, 35-43, 48 and 52, have been canceled, without prejudice.

Claims 1-4, 10, 12-17, 29, 44-47, 49-51 and 53-56 will be pending upon entry of the present Amendment. Entry of the Amendment is requested to at least reduce the issues for appeal. Specifically, entry of the present Amendment will make moot the Section 102 rejection of claims 30-34 and 52 over Pineda (WO 01/36598) and the Section 101 rejection of claim 30. Entry of the present Amendment and withdrawal of the Section 102 and Section 101 rejection are requested.

The present Amendment does not raise new issues requiring further search and/or consideration. The Amendment does not add new matter. Entry of the present Amendment is requested.

To the extent not made moot by the present Amendment, the objections to claims 2, 30, 47, 54, 55 and 56 are obviated by the Amendment. Entry of the present Amendment and withdrawal of the objections are requested.

To the extent not made moot by the above amendments, the Section 112, second paragraph, rejection of claims 1-4, 10-17, 19-23, 29-34 and 43-52 is obviated by the above amendments. Entry of the present Amendment and withdrawal of the requested are requested. Specifically, claim 1 has been revised to delete that objected-to parenthetical recitation of SEQ ID NO:51. The objected-to recitations

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relating to the percent identities have been deleted. The objected-to recitations of "modified" have been deleted. Withdrawal of the rejection is requested.

The Section 112, second paragraph, rejection of claim 56 is obviated by the above amendments. Claim 56 has been made dependent from claim 29, which was not similarly rejected. Claim 29 has been amended above however, without prejudice, based on the Examiner's comments spanning pages 4-5 of the Office Action dated February 25, 2009. Entry of the present Amendment and withdrawal of the Section 112, second paragraph, rejection of claim 56 are requested.

The Section 112, first paragraph "written description", rejection of claims 1-4, 10-17, 19-23, 29-34 and 43-56 is obviated by the above amendments. Reconsideration and withdrawal of the rejection are requested in view of the above and the following comments.

One of ordinary skill in the art will appreciate from the applicants disclosure that SEQ ID NOs: 5¹, 7, 8 and 9 define regions of SEQ ID NO:2 which are essential and sufficient for producing the claimed phenotypes. The above sequence comparison demonstrates same. The Examiner's comments relating to 80% identity and basis for the rejection on same² are obviated by the above amendments. The specific sequences of the claims and disclosure contain the motifs of the amended independent claims, without reference to homologs or homologous sequences³. Entry of the present

¹ Or the alternative SEQ ID NO:51.

² <u>See</u> for example, last paragraphs on pages 5 and 7 of the Office Action dated February 25, 2009.

³ See page 6 of the Office Action dated February 25, 2009.

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Amendment and withdrawal of the Section 112, first paragraph "written description" rejection, are requested.

The Section 112, first paragraph "enablement", rejection of claims 1-4, 10-17, 19-23, 29-34 and 43-56 is obviated by the above amendments. Reconsideration and withdrawal of the rejection are requested in view of the above, the following and the attached Declaration. The attached Declaration is submitted in response to the Examiner's invitation on pages 9 and 11 of the Office Action dated February 25, 2009. The attached Declaration presents the previously-presented evidence in Declaration form. Moreover, the following sequence comparison of SEQ ID NOs: 2, 27 and 37 is provided for the Examiner's convenience.

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SEQIDNO_2 MALEALISPRIASPIPEEDSS-VFRGVEHWIKGRESKRSRSUFHHGALEEEYLAFOLMLI RONPOPPEFR SEQIDNO_27 MALEAMIPETSSFTREETKEOLMIDAVFIEPMIKRRRRRRRFRSSSSSPPRSRPKSONONIEEEYLALOLLMI KOOPSOTRFHOOSGSITFPPE SEQIDNO_37 MSSASSMEALHAAVIKEEQQGHEVEEATVYTSSSATSGEEGGHIPGGW <u>RKR-KRSR</u> POREEENLALOLLMI ROGHHRVQAPPPISASAFPPA	8:OID NO: 8	VERLSYRGSVODTTESS OALGGHJASHPRILSQTLSGGODHSTSSATFTSAVTTGS-GRSHVCTIONSSPS OALGGHJRCH Sinldyrgnygeraffs oalgghjashrikpptvisttaddstaftsivagekhpiaasgkiheosighkveft galgghjrch Gapprosygeiss oalgghjahvkldptppaafvlapapvaallpsaegrepatsstaassdgmtnryhrcsiogkeft galgghjakh	S:DN O1598 3:DN O1:5	FBGNINGGGGGGGSLSISHSGRSSTSHVSSSHRGFDLNIPPIPERSMVNGDDEVMSFMPAKNPRFDFPVKLQL FBGNLGGGGGGGSLSISHSGSVSSTVSRBRSHRGFIDLNILPLPERSHHNPIVDEEILSPLTGRRFLLLTGHOGVIKKEDLSLKI FDGGVGAGAGASSTELLATVAAESEVGSSGNGGSATR_FDLNILPLVPRPCSKGKKKMØDEBEBVQSBLAFFRPRLLTA	SEQID NO:7
QIDNO_27 QIDNO_37 MSSASSMEALHAJ		SEQIENO 2 VEKLSY SEQIENO 27 SKNLPY SEQIENO 337 G-ARI		SEQIDNO_2 YEGNNSSEQIDNO_27 YEGNLGSELLG	
SEQ1 SEQ1 SEQ1		SEQ1		5801 5801 5801	

Figure 1. Amino acid sequence alignment of SEQ ID NO: 2, 27 and 37 showing the presence of the following motifs: L-box (SEQID NO:9), EAR motif (SEQID NO:7), the B-Box (SEQID NO:8) and the QALGGH motif (SEQID NO:5).

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The applicants submit that one of ordinary skill in the art will be able to make and use the claimed invention without undue experimentation. Withdrawal of the Section 112, first paragraph "enablement", rejection is requested.

The claims are submitted to be in condition for allowance and a Notice to that effect is requested. The Examiner is requested to contact the undersigned, preferably by telephone, in the event anything further is required in this regard.

Respectfully submitted,

NIXON & VANDERHYE P.C.

Ву:	/B. J. Sadoff/
	B. J. Sadoff
	Reg. No. 36,663

BJS:

901 North Glebe Road, 11th Floor

Arlington, VA 22203-1808 Telephone: (703) 816-4000 Facsimile: (703) 816-4100